

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT
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3-14-03
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In the Application of:

Najmuddin, Ilyas Juzer

Serial No.: 10/081,090

Filed: February 22, 2002

For: Method and Apparatus
For Detecting Fractures
Using Frequency Data
Derived from Seismic Data

Group Art. Unit:2862

Examiner: Taylor

Atty. Docket: 94.0048

Certificate of Faxing [37 CFR 1.8(a)]

I hereby certify that this correspondence is being transmitted
as a facsimile to 703-746-4509, atm. Mr. Taylor on March
14, 2003

Name of the person signing this certificate: Danita JM
Signature: Danita M Masiles

PRELIMINARY AMENDMENT

Honorable Assistant Commissioner
of Patents
Washington, D.C. 20231

Dear Sir or Madam:

This is a preliminary amendment.

AMENDMENTS

Please amend this application as follows:

I. In The Claims

Please amend the claims as follows:

- Subj A
1. (Amended) A method of detecting fractures in a fractured zone in an Earth formation, comprising the steps of:
 - a. propagating a plurality of acoustic waves through the fractured zone so that the plurality of acoustic waves reflect off a horizon in the formation;

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Attorney Docket No. 94.0048

MAR 14 2003

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